

What is claimed is:

1. An automated air flow system for controlling the flow of conditioned air into multiple zones of a structure, comprising:

an automated register configured to receive temperature data from at least one temperature sensor in at least one zone and to control the flow of conditioned air into the at least one zone in response to the temperature data; and

a base station in communication with the automated register and adapted to be coupled to an air flow source for providing the conditioned air, the base station configured to receive status data from the automated register and to control the air flow source based on the status data.

2. The system of claim 1, wherein the automated register and the base station are in communication via a wireless link.

3. The system of claim 1, wherein the status data indicates whether the automated register is in an opened or closed state.

4. The system of claim 1, wherein the status data indicates whether the automated register is in an active or inactive state.

5. The system of claim 4, wherein the status data is determined in part by motion detection data received from a motion detector.

6. The system of claim 1, wherein the temperature data includes an actual temperature to be compared against a target temperature specified by a user.

7. The system of claim 1, wherein the automated register includes a power manager for commanding the automated register from a first power state to a second power state in response to the status data, wherein the first power state consumes more power than the second power state.

8. The system of claim 1, wherein the automated register and the base station communicate via a physical link.

9. The system of claim 1, wherein the automated register receives status data from a network.

10. A method of automatically controlling the flow of conditioned air into multiple zones of a structure, comprising:

specifying target temperatures for a plurality of zones, wherein at least two zones have different target temperatures;

enabling an air flow source to provide conditioned air to each zone until each zone reaches its respective target temperature;

responsive to a zone reaching its target temperature, automatically redirecting the conditioned air from that zone to zones that have not reached their respective target temperatures; and

responsive to all the zones reaching their respective target temperatures, preventing the air source from providing conditioned air to the zones.

11. The method of claim 10, further comprising:

automatically redirecting the conditioned air from inactive zones to active zones.

12. An automated air flow system for controlling the flow of conditioned air into multiple zones of a structure, comprising:

a plurality of automated registers, wherein selected ones of the plurality of automated registers that are located in zones that have reached target temperatures are configured to automatically redirect conditioned air to zones which have not reached target temperatures, wherein at least two zones have different target temperatures; and

a base station adapted to be coupled to an air source for providing conditioned air to the zones, the base station configured to turn-off the air source in response to status data from the automated registers indicating that all the zones have reached their respective target temperatures.

13. The system of claim 12, wherein the automated register and the base station are in communication via a wireless link.

14. The system of claim 12, wherein the status data indicates whether the automated registers are in opened or closed states.

15. The system of claim 12, wherein the status data indicates whether the automated registers are in active or inactive states.

16. The system of claim 15, wherein the status data is determined in part by motion detection data received from a motion detector.
17. The system of claim 12, wherein the temperature data includes a actual temperature to be compared against a target temperature specified by a user.
18. The system of claim 12, wherein the automated registers include power managers for commanding the automated register from a first power state to a second power state in response to the status data, wherein the first power state consumes more power than the second power state.
19. The system of claim 12, wherein the automated registers and the base station communicate via a physical link.
20. The system of claim 1, wherein the status data is specified by a user operating a remote computing device on a network.